

ABSTRACT

In one aspect the system serves as a transmitter and comprises an optics system; a plurality of source elements positioned on the focal plane; and, a small angle beam steerer. The plurality of source elements are each capable of providing a point source of radiation to the optics system. The optics system provides a collimated output. The small angle beam steerer receives the collimated output and redirects the collimated output through a small angular deviation. The redirected output is thus transmitted in a desired direction without a need for mechanical gimbals and is capable of covering a large angular range with respect to the optical axis of the optics system. The system can also be implemented as a receiver.